



## ELECTRICAL SERVICES

**Since 1913**, with over 100 years of proven performance, our Electrical Services line of business has the knowledge and experience to provide turnkey solutions. From conception, throughout execution, our project delivery process can guarantee a successful partnership, while leading the industry in safety and quality. As a family-owned business, our people are our greatest asset. Through our proven process and guarantee, we will meet your expectations.

### We provide solutions to:

- Commercial
- Industrial
- Government/Public Works
- Tele/Data
- Transportation
- Institutional (Higher Education)
- Healthcare
- Military
- Renewables
- Electrical Utilities

### We specialize in the following Electrical Services:

**Construction**

**Engineering & Design**

**Emergency Services**

**Automation & Control**

**Maintenance**

### SERVING:

**The Mid-Atlantic  
Region**



## Electrical

- Design-Build Projects
- Plans & Specification Projects
- Service & Industrial Maintenance
- Control Systems Design & Installation
- Industrial Plant Design & Installation
- Plant Electrical Distribution System Design & Installation
- Medium Voltage Installation & Troubleshooting
- Lighting Systems Design & Installation

## Electrical Testing & Maintenance / Preventative Maintenance Solutions

- High, Medium, and Low Voltage Breaker Testing
- Visual/Mechanical Inspection
- Infrared Thermography Scans
- UltraSonic Testing
- Emergency Lighting Systems Testing
- Transformer Testing
- Transformer Oil Sampling & Analysis
- Battery Systems
- Substation Equipment
- Grounding System Inspection
- Ground Fault Detection System
- High, Medium, and Low Voltage Conductor Testing
- Underground Cable Locating & Fault Detection
- Motor Testing
- Machinery Troubleshooting
- PLC Troubleshooting & Program Development
- PLC Program Backup & Storage
- Variable Frequency Drive Installation & Programming

## Engineering

- Energy & System Audits
- Arc Flash, Short Circuit & Coordination Study & Analysis
- Power Quality Monitoring & Troubleshooting
- Engineering Analysis
- Energy Studies
- Load Flow Analysis
- Turnkey Design/Build Services
- Building Information Modeling
- Industrial Electrical System Design
- Lighting System Design

## Automation

- Programmable Logic Controller (PLC) Programming
- System Design & Installation
- PLC Upgrades
- Human-Machine Interface (HMI) Programming
- Control Systems Design & Installation
- Control System Maintenance
- Panel Design & Fabrication

### FULL LINE OF I.B. ABEL SERVICES:

**ELECTRICAL | COMMUNICATION | AUTOMATION | ENGINEERING**  
**TRANSMISSION | DISTRIBUTION | SUBSTATION | RENEWABLE**

**24/7 SERVICE & SUPPORT**